

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Edwin Southern

Serial No. 09/422,804

Filed October 22, 1999



Group Art Unit 1631

Examiner A. Marschel

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Plunkett  
12/14/00

ANALYSING POLYNUCLEOTIDE SEQUENCES

AMENDMENT

Assistant Commissioner for Patents,  
Washington, D.C.

Sir:

Responsive to the Official Action dated June 6, 2000, the time for responding thereto being extended for three months in accordance with a petition for extension submitted concurrently herewith, please amend the above-identified application as follows:

IN THE CLAIMS

Cancel without prejudice claim 1 and substitute therefor the following new claims:

B1  
-- 17. An array of oligonucleotides comprising a support having an impermeable surface to which a plurality of oligonucleotides are attached, the oligonucleotides having different nucleotide sequences and being attached at different known locations on the surface of the support, wherein the oligonucleotide at one known location is different from the oligonucleotide at another known location.

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18. An array of oligonucleotides comprising a support having a surface to which the oligonucleotides are attached, wherein oligonucleotides having different nucleotide sequences are attached at between 72 and  $10^{12}$  different known locations on the surface of the support.

12/07/2000 MBERHE 00000091 09422804

01 FC:103  
02 FC:102  
03 FC:104

2880.00 CP  
1440.00 CP  
270.00 CP